



**Legend**

	Key Observation Point		Major Roads
	Carefree Highway		Canal
	Existing 500kV Transmission Line		Central Arizona Project Canal
	Existing 230kV Transmission Line	<b>Surface Land Management</b>	
	Approved High-Voltage Transmission Line		Bureau of Land Management
			Bureau of Reclamation
			State
			Private

**Photograph Information**

Time of photograph:	1:42 PM
Date of photograph:	5-26-08
Weather condition:	Partly Cloudy
Viewing direction:	North
Latitude:	33°46'20.45"N
Longitude:	112°20'25.07"W
Camera:	Canon Rebel EOS XT
Lens:	50mm
Lighting condition:	Sidelit
Nearest tower in view:	NA

Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Figure 4.14-28a  
Existing Conditions  
from Key Observation Point 15  
Vistancia property south of CAP looking north  
Sun Valley to Morgan 500/230kV  
Transmission Line EIS Project





**Legend**

	Key Observation Point		Major Roads
	Alternative 3 Carefree Highway		Canal
	Existing 500kV Transmission Line		Central Arizona Project Canal
	Existing 230kV Transmission Line		Bureau of Land Management
	Approved High-Voltage Transmission Line		Bureau of Reclamation
			State
			Private

**Photograph Information**

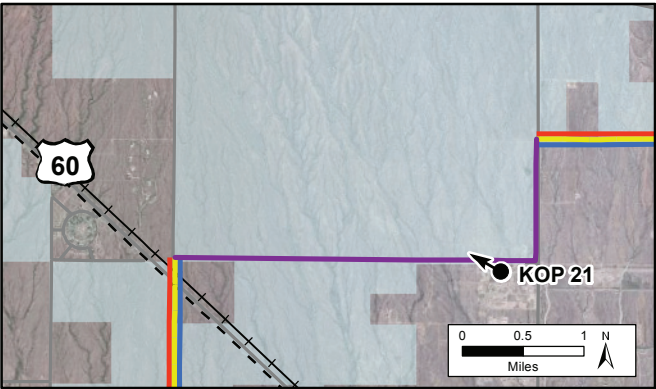
Time of photograph:	1:42 PM
Date of photograph:	5-26-08
Weather condition:	Partly Cloudy
Viewing direction:	North
Latitude:	33°46'20.45"N
Longitude:	112°20'25.07"W
Camera:	Canon Rebel EOS XT
Lens:	50mm
Lighting condition:	Sidelit
Nearest tower in view:	4.15

Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Figure 4.14-28b  
Simulation of Alternative 3  
from Key Observation Point 15  
Vistancia property south of CAP looking north  
Sun Valley to Morgan 500/230kV  
Transmission Line EIS Project





**Legend**

Key Observation Point

Sun Valley to Morgan Proposed Action Right-of-Way

Alternative 2 South of SR 74

Alternative 3 Carefree Highway

Sub-alternative: State Trust Lands Route Variation

Major Roads

Railroad

**Surface Land Management**

State

Private

**Photograph Information**

Time of photograph: 10:30 AM

Date of photograph: 4-6-12

Weather condition: Clear

Viewing direction: Northwest

Latitude: 33°48'36.35"N

Longitude: 112°31'16.94"W

Camera: Nikon D700

Lens: 50mm

Lighting condition: Frontlit

Nearest tower in view: NA

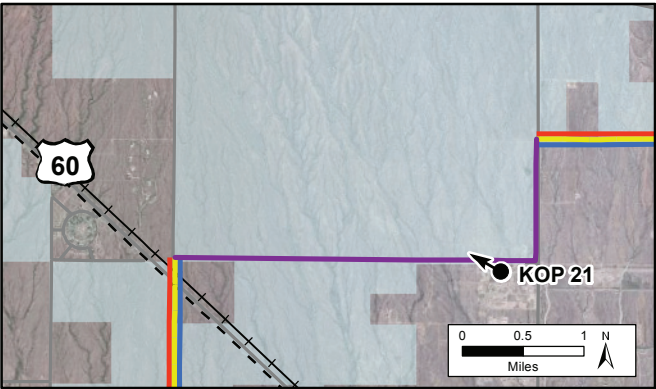
Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Figure 4.14-29a  
Existing Conditions  
from Key Observation Point 21  
Caravaccio Lane & 213th Drive  
looking northeast

Sun Valley to Morgan 500/230kV  
Transmission Line EIS Project





**Legend**

Key Observation Point

Sun Valley to Morgan Proposed Action Right-of-Way

Alternative 2 South of SR 74

Alternative 3 Carefree Highway

Sub-alternative: State Trust Lands Route Variation

Major Roads

Railroad

**Surface Land Management**

State

Private

**Photograph Information**

Time of photograph: 10:30 AM

Date of photograph: 4-6-12

Weather condition: Clear

Viewing direction: Northwest

Latitude: 33°48'36.35"N

Longitude: 112°31'16.94"W

Camera: Nikon D700

Lens: 50mm

Lighting condition: Frontlit

Nearest tower in view: 0.10 Mile

Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



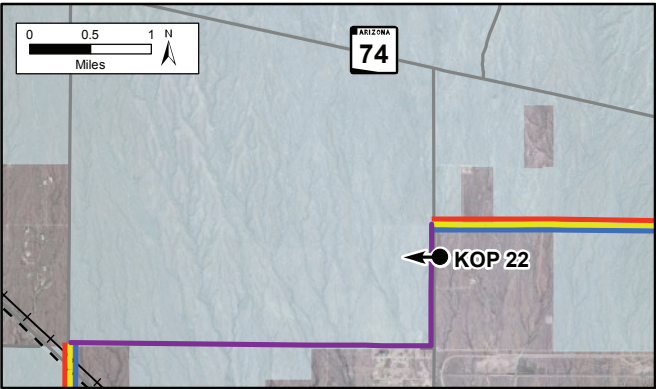
Figure 4.14-29b  
Simulation of Sub-Alternative  
from Key Observation Point 21  
Caravaccio Lane & 213th Drive  
looking northeast

Sun Valley to Morgan 500/230kV  
Transmission Line EIS Project





Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



**Legend**

Key Observation Point

Sun Valley to Morgan  
Proposed Action  
Right-of-Way

Alternative 2  
South of SR 74

Alternative 3  
Carefree Highway

Sub-alternative:  
State Trust Lands  
Route Variation

Major Roads

Railroad

**Surface Land Management**

State

Private

**Photograph Information**

Time of photograph: 11:41 AM

Date of photograph: 4-6-12

Weather condition: Clear

Viewing direction: West

Latitude: 33°49'19.54"N

Longitude: 112°30'54.81"W

Camera: Nikon D700

Lens: 50mm

Lighting condition: Sidelit

Nearest tower in view: NA

Figure 4.14-30a  
Existing Conditions  
from Key Observation Point 22  
East of 211th Avenue (Carlise Road)  
looking west

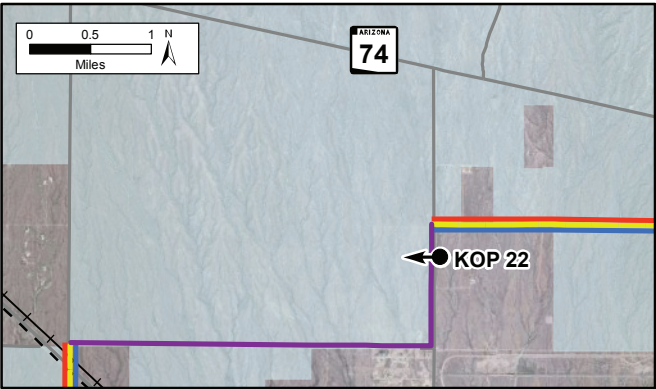
Sun Valley to Morgan 500/230kV  
Transmission Line EIS Project







Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



**Legend**

Key Observation Point

Sun Valley to Morgan Proposed Action Right-of-Way

Alternative 2 South of SR 74

Alternative 3 Carefree Highway

Sub-alternative: State Trust Lands Route Variation

Major Roads

Railroad

**Surface Land Management**

State

Private

**Photograph Information**

Time of photograph: 11:41 AM

Date of photograph: 4-6-12

Weather condition: Clear

Viewing direction: West

Latitude: 33°49'19.54"N

Longitude: 112°30'54.81"W

Camera: Nikon D700

Lens: 50mm

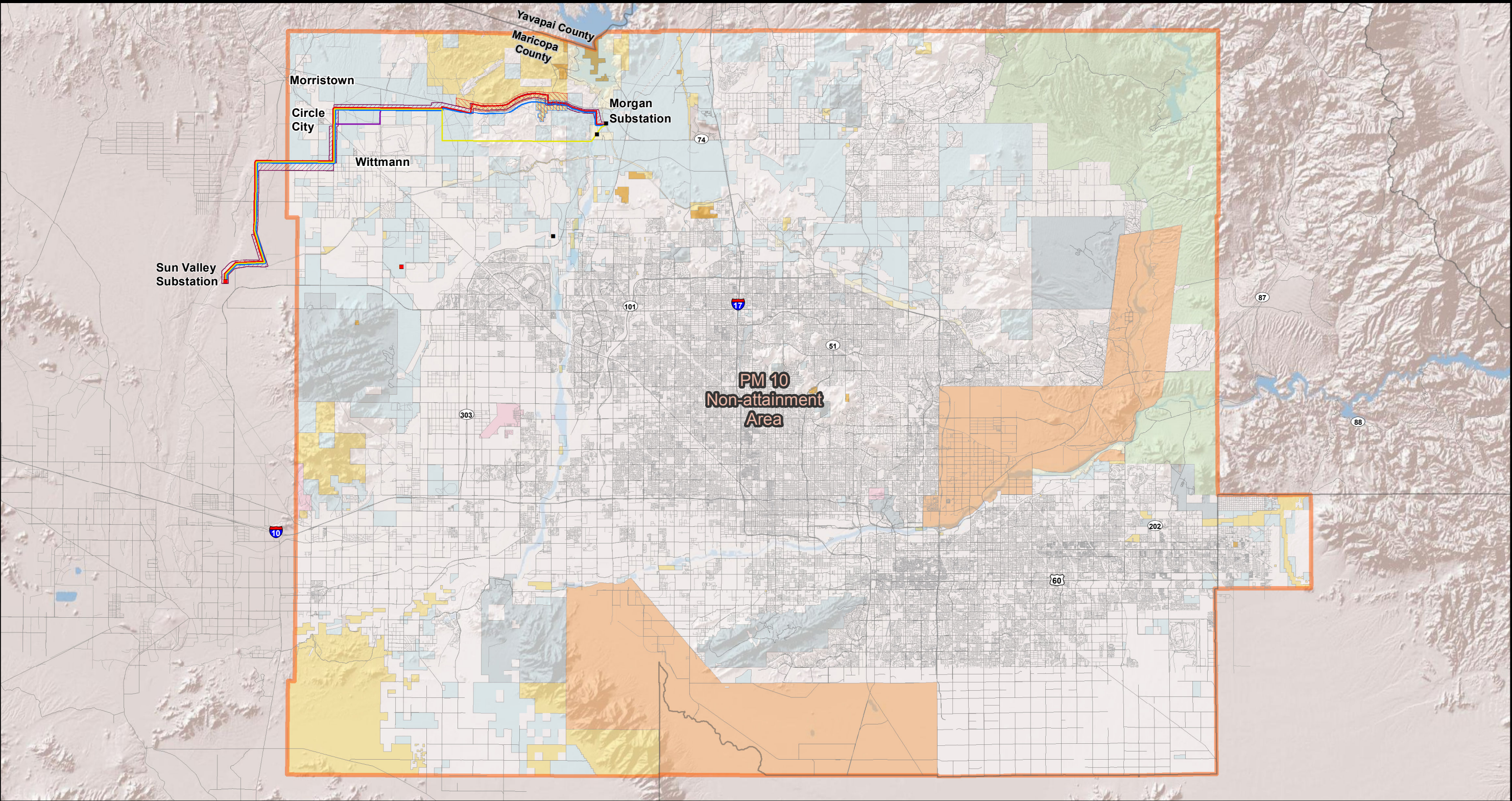
Lighting condition: Sidelit

Nearest tower in view: 0.07 Mile

Figure 4.14-30b  
Simulation of Sub-Alternative  
from Key Observation Point 22  
East of 211th Avenue (Carlise Road)  
looking west

Sun Valley to Morgan 500/230kV  
Transmission Line EIS Project





**Legend**

- |  |                                  |                                |                   |
|--|----------------------------------|--------------------------------|-------------------|
| Sun Valley to Morgan Proposed Action Right-of-Way      | Existing High-Voltage Substation | <b>Surface Land Management</b> | County            |
| Alternative 1 Proposed Action with Additional Corridor | Approved High-Voltage Substation | Indian Lands                   | Military          |
| Alternative 2 South of SR 74                           | PM 10 Non-attainment Area        | USFS                           | State Trust Lands |
| Alternative 2 Corridor South of SR74                   |                                  | BLM                            | Private           |
| Alternative 3 Carefree Highway                         |                                  | USBR                           |                   |
| Sub-alternative: State Trust Land Route Variation      |                                  |                                |                   |
| ACC Certificated Route                                 |                                  |                                |                   |

Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com  
Arizona State Land Department: 2007-2010

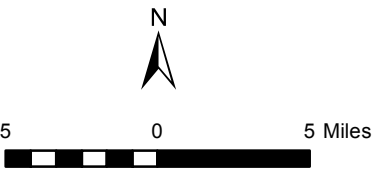
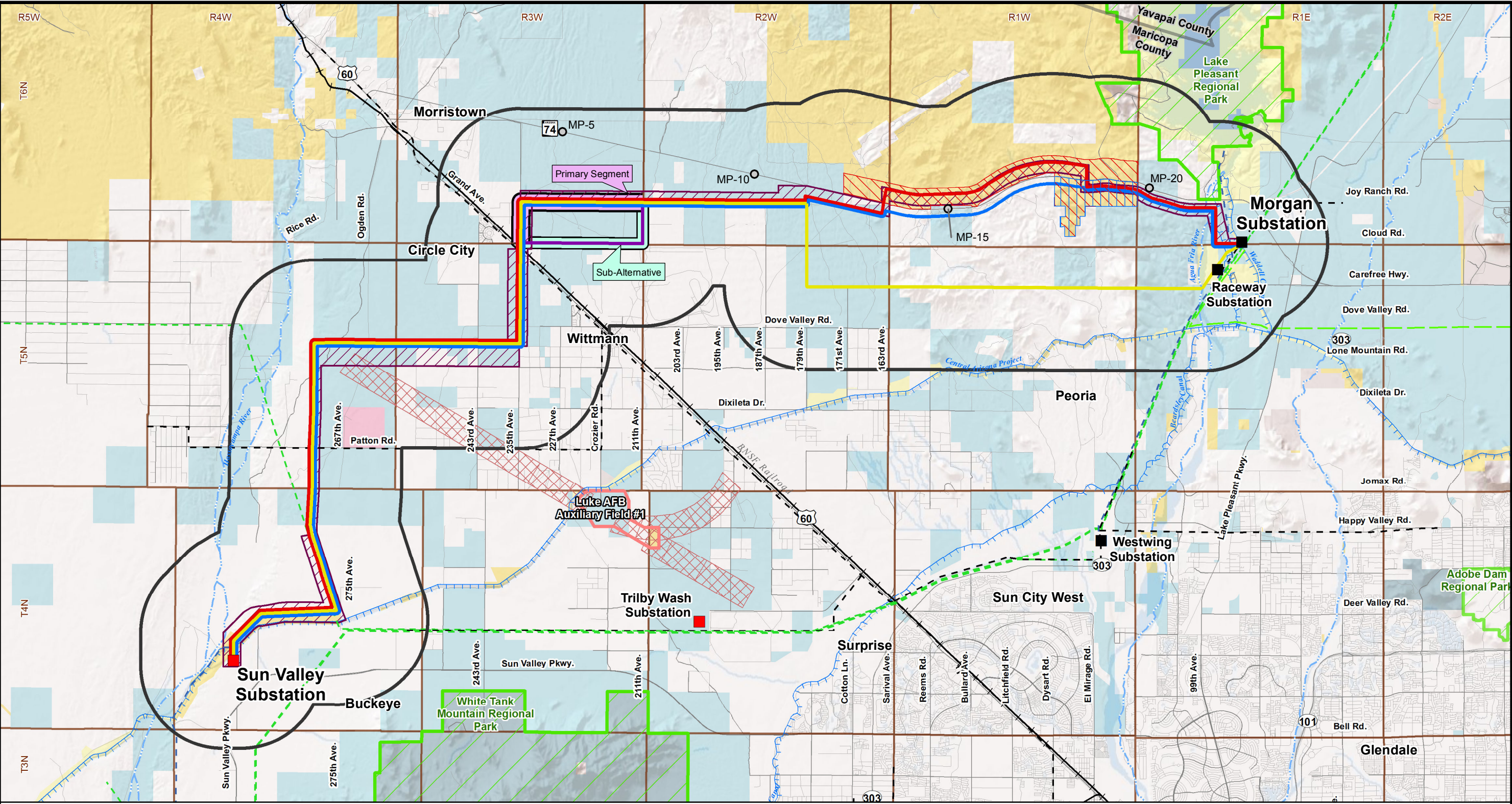


Figure 4.19-1  
Air Quality Cumulative Impacts Area  
Sun Valley to Morgan 500/230kV Transmission Line EIS Project





**Legend**

- |  |  |
|--|--|
| Sun Valley to Morgan Proposed Action Right-of-Way      | Existing High-Voltage Substation             |
| Alternative 1 Proposed Action with Additional Corridor | Approved High-Voltage Substation             |
| Alternative 2 South of SR 74                           | Existing 500kV Transmission Line             |
| Alternative 2 Corridor South of SR74                   | Existing 230kV Transmission Line             |
| Alternative 3 Carefree Highway                         | Existing 69kV Transmission Line              |
| Sub-alternative: State Trust Land Route Variation      | Luke Air Force Base (AFB) Auxiliary Field #1 |
| ACC Certificated Route                                 | Auxiliary Field #1 Accident Potential Zone   |
|  | Regional Park                                |

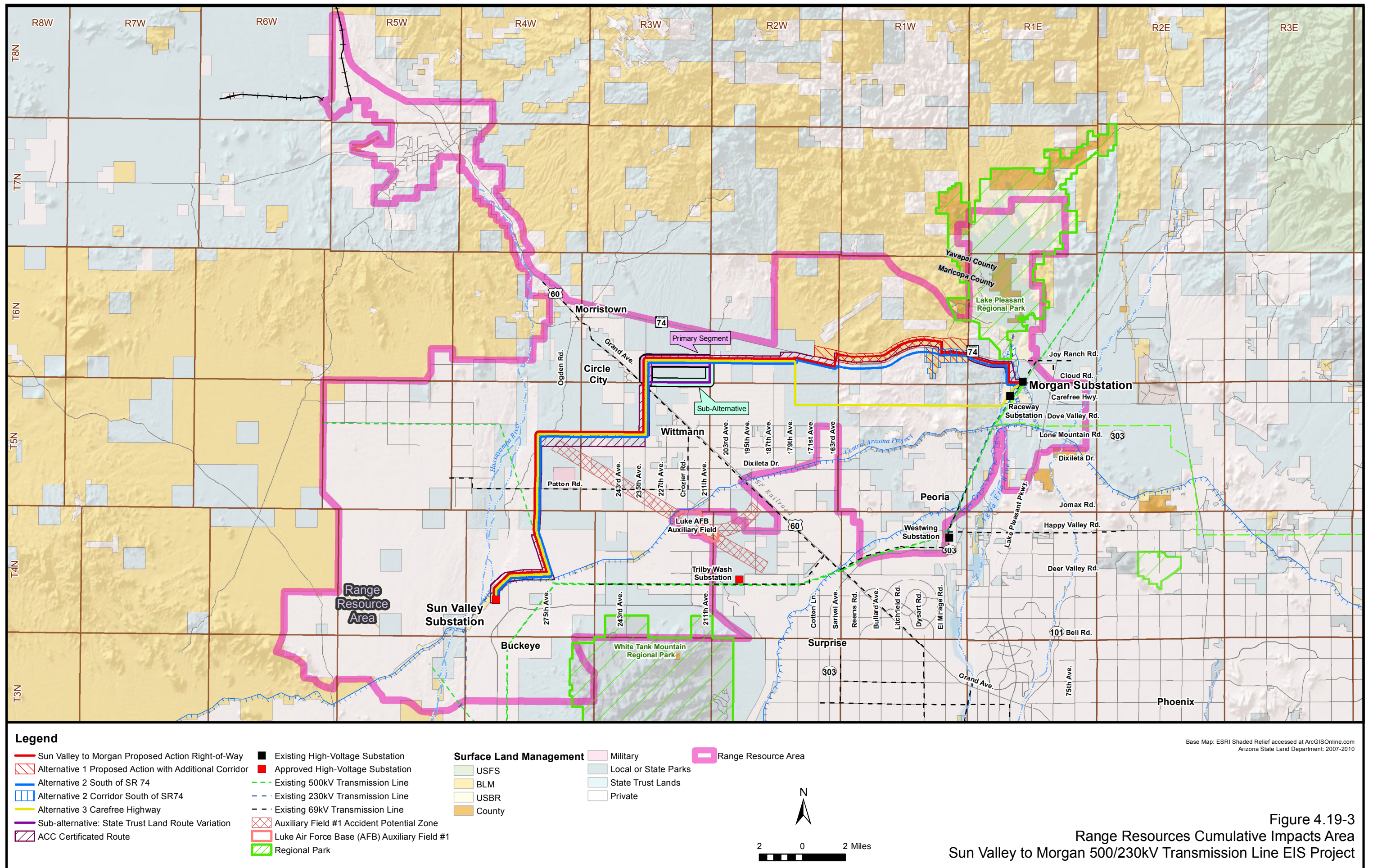
**Surface Land Management**

- |                      |                         |
|----------------------|-------------------------|
| BLM                  | Cumulative Impacts Area |
| USBR                 | SR74 Mile Post Markers  |
| County               |                         |
| Military             |                         |
| Local or State Parks |                         |
| State Trust Lands    |                         |
| Private              |                         |

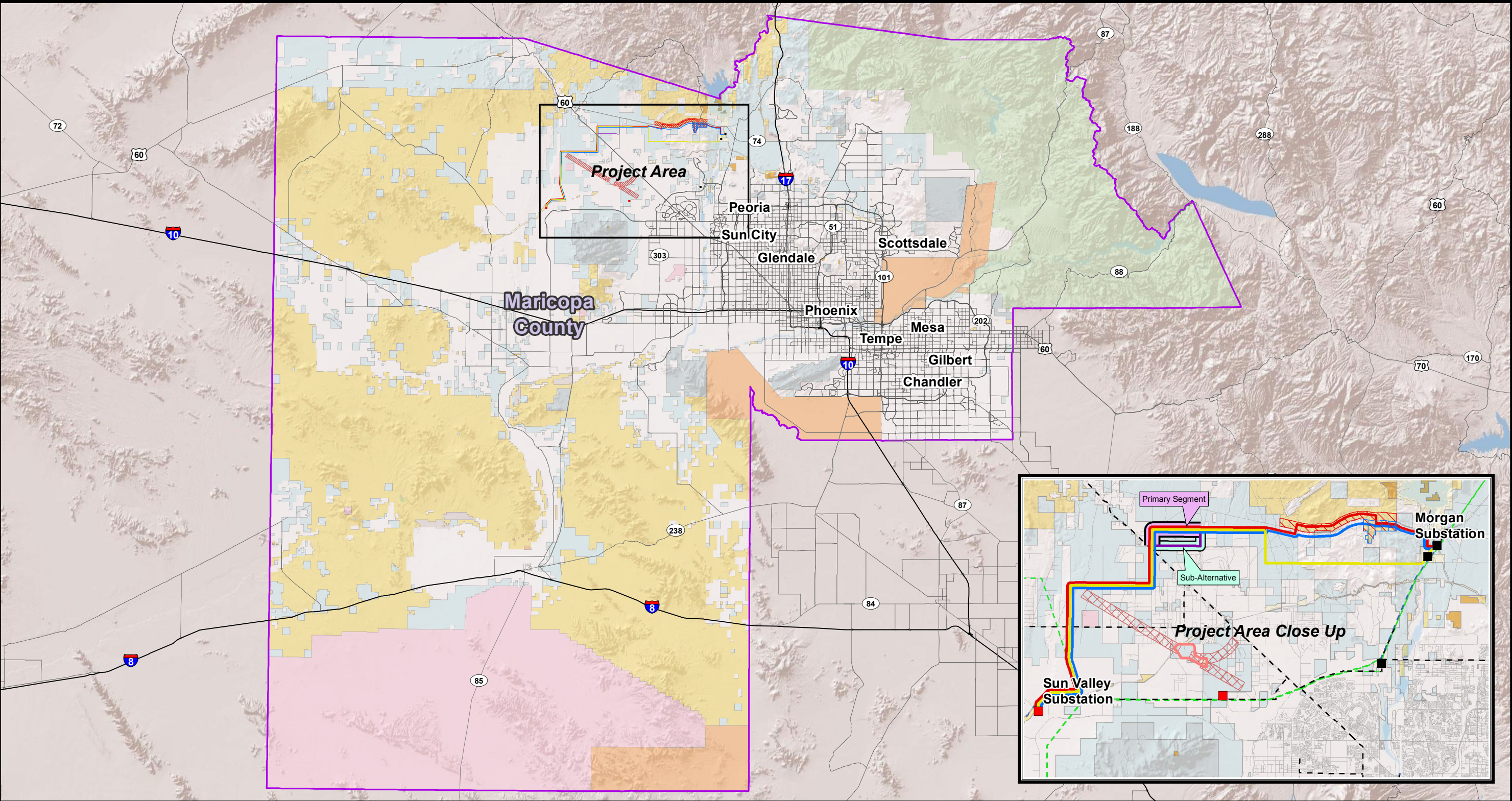
Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com

Figure 4.19-2  
2-Mile Buffer Cumulative Impacts Area  
Sun Valley to Morgan 500/230kV Transmission Line EIS Project





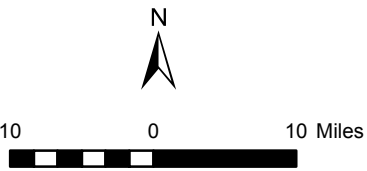




**Legend**

- |  |  |
|--|--|
| — Sun Valley to Morgan Proposed Action Right-of-Way      | ■ Existing High-Voltage Substation             |
| ▨ Alternative 1 Proposed Action with Additional Corridor | ■ Approved High-Voltage Substation             |
| — Alternative 2 South of SR 74                           | — Existing 500kV Transmission Line             |
| ▨ Alternative 2 Corridor South of SR74                   | — Existing 230kV Transmission Line             |
| — Alternative 3 Carefree Highway                         | — Existing 69kV Transmission Line              |
| — Sub-alternative: State Trust Land Route Variation      | ▨ Luke Air Force Base (AFB) Auxiliary Field #1 |
| ▨ ACC Certified Route                                    | ▨ Auxiliary Field #1 Accident Potential Zone   |

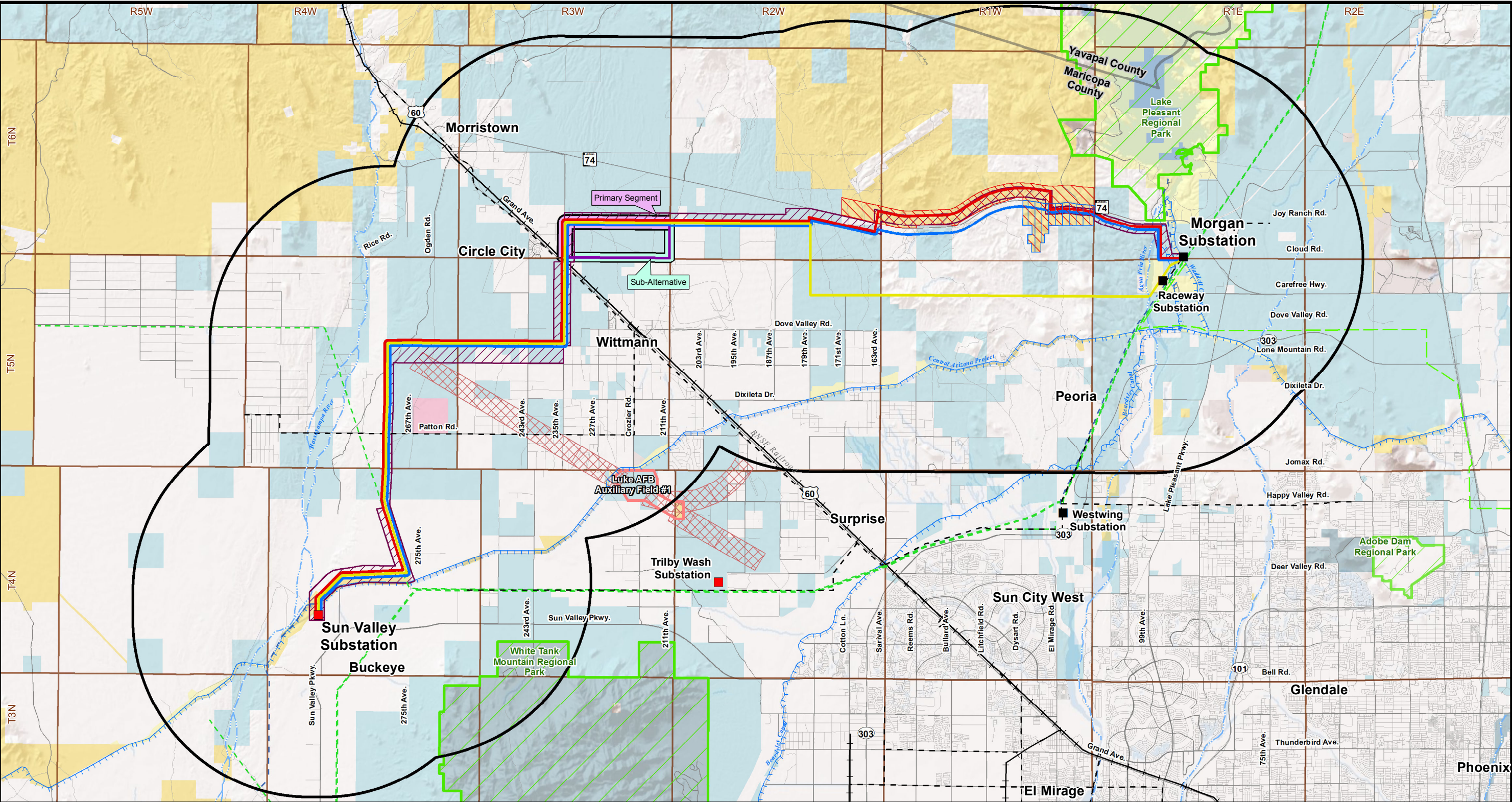
- |                                |            |                        |
|--------------------------------|------------|------------------------|
| ▨ Maricopa County              | ▨ BLM      | ▨ Local or State Parks |
| <b>Surface Land Management</b> | ▨ USBR     | ▨ State Trust Lands    |
| ▨ Indian Lands                 | ▨ County   | ▨ Private              |
| ▨ USFS                         | ▨ Military |                        |



Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com  
Arizona State Land Department: 2007-2010

Figure 4.19-4  
Socioeconomics and Environmental Justice Cumulative Impacts Area  
Sun Valley to Morgan 500/230kV Transmission Line EIS Project

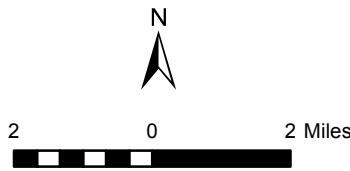




**Legend**

- |  |  |                                |                         |
|--|--|--------------------------------|-------------------------|
| Sun Valley to Morgan Proposed Action Right-of-Way      | Existing High-Voltage Substation             | <b>Surface Land Management</b> | Cumulative Impacts Area |
| Alternative 1 Proposed Action with Additional Corridor | Approved High-Voltage Substation             |                                |                         |
| Alternative 2 South of SR 74                           | Existing 500kV Transmission Line             | BLM                            |                         |
| Alternative 2 Corridor South of SR74                   | Existing 230kV Transmission Line             | USBR                           |                         |
| Alternative 3 Carefree Highway                         | Existing 69kV Transmission Line              | County                         |                         |
| Sub-alternative: State Trust Land Route Variation      | Luke Air Force Base (AFB) Auxiliary Field #1 | Military                       |                         |
| ACC Certificated Route                                 | Auxiliary Field #1 Accident Potential Zone   | Local or State Parks           |                         |
|  | Regional Park                                | State Trust Lands              |                         |
|  |  | Private                        |                         |

Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com  
Arizona State Land Department: 2007-2010



**Figure 4.19-5**  
**Visual Resources Cumulative Impacts Area**  
**Sun Valley to Morgan 500/230kV Transmission Line EIS Project**